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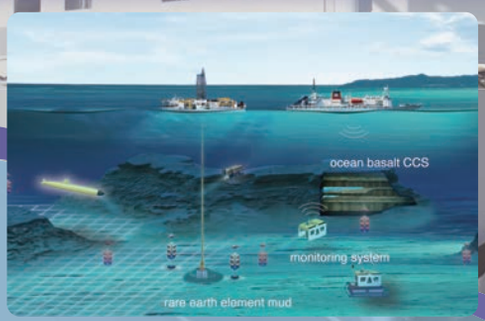
SIP Online Seminar 2026

Scientific ways of monitoring and exploiting deep-sea environments

The Ocean Program, conducting by the Cross-Ministerial Strategic Innovation Promotion Programme (SIP) under the Cabinet Office, researches and develops the scientific solutions for the sustainable use of marine environments and resources. Since 2018 the SIP online seminar has held to share knowledge on marine environmental monitoring and advanced technologies.

The first phase of the seminar series began with the Pacific Island Countries, because they face similar challenges conserving the marine environment while benefiting from ocean resources, same as Japan's situation. The on-demand video seminar series, launched in 2020, aims to share the knowledge on technologies for observation of the marine environments. We anticipate that the knowledge from the SIP seminars will support the sustainable use of marine resources in the future.







This video seminar on marine environmental issues and monitoring technology is open to anyone who has interest in the marine subjects. The seminar will be available on demand via the internet. You can access the seminar website at any time between 25 November and 4 December 2026. Please join the SIP Video Seminar.

On-demand video site

25 November – 4 December 2026 open on the website

After the registration process, information of the on-demand site will be provided through e-mail.

Register Here

https://forms.gle/P1uWxLmRQv6LfBCy9

Contact Information

sip3-seminar@n-hort.co.jp

Your questions will be accepted by e-mail until December 18, 2026.

Overview of the 2026 seminar :

The sustainable use of ocean resources for economic growth while conserving the ecosystems, is necessary the knowledge and practical methods to monitor the physicochemical and ecological conditions of marine environments. In 2026 seminar, we would demonstrate the missions of the SIP Ocean Program: deep-sea mining of rare-earth mud, monitoring system using robotics, and ocean basalt CCS in seamount.

Speaker and lecture title



Presentation 1

Monitoring system for exploitation of deep-sea mineral resources

YAMAMOTO, Hiroyuki

Affiliation: SIP Ocean Program, Japan Agency for Marine-Earth Science and Technology



Presentation 2

Wide-Area Monitoring System Using Marine Robotics Technology

FUJIWARA, Toshifumi

Affiliation: National Maritime Research Institute, National Institute of Maritime, Port and Aviation Technology



Presentation 3

Automated environmental DNA sampling

FUKUBA, Tatsuhiro

Affiliation: Japan Agency for Marine-Earth Science and Technology



Presentation 4

Basic Research on Ocean Basalt CCS

ABE, Natsue

Affiliation: SIP Ocean Program, Japan Agency for Marine-Earth Science and Technology